

AMENDMENT TO THE CLAIMS

IN THE CLAIMS:

Kindly replace the claims with the following listing of claims:

Claims 1-5 (withdrawn)

Claim 6 (currently amended): A method of producing an autophilic antibody by a chemical or genetic engineering techniques, wherein the autophilic antibody contains a T15 autophilic peptide having sequence ~~(ASRNKANDYTTDYSASVKGRFIVSR)~~ that ~~attaches via a tryptophan photoactivation crosslinking~~ SEQ ID NO: 1 attached to the immunoglobulin component of the antibody.

Claim 7 (currently amended): The method of claim 6, wherein the T15 peptide of the autophilic antibody is crosslinked to a nucleotide affinity site of the immunoglobulin.

Claim 8 (currently amended): The method of claim 6, wherein the T15 peptide is crosslinked to a carbohydrate site of the Fc portion of the immunoglobulin.

Claim 9 (currently amended): The method of claim 6, wherein the T15 peptide is conjugated to an amino or sulfhydryl group of the immunoglobulin.

Claim 10 (currently amended): The method of claim 6, wherein the autophilic antibody is expressed as a fusion protein containing the T15 autophilic sequence.

Claims 11-17 (withdrawn)